

# Algae Toxin (Microcystin) Data Summary

## *Caloosahatchee River and Estuary*

Updated September 15, 2006

Station Identification	Date Collected	Chlorophyll a mg/m <sup>3</sup>	Flag	Microcystin LR Concentration Equivalents (µg/L)	Flag	Field Observations on Bloom
S78 (spillway and lock on Caloosahatchee River at Ortona)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	no signs of blue green algae in sample or water surface
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	6/21/2006	-		105		blue green algae present in water column and as medium streaks on water surface
	7/5/2006	-		27.5		blue green algae present in water column and as medium streaks on water surface
	7/26/2006	26.1		<0.1	U	no blue green algae present
	8/8/2006	7.8		<0.1	U	no blue green algae present
	8/22/2006	6.7		5		no blue green algae present
	9/5/2006	5.6		<0.1	U	
CES01 (upstream of S79 at Lee County Water Treatment Plant intake)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	-
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		-		no sample collected: locks closed
	6/21/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		8500		blue green algae present in water column and on water surface as heavy mats
	7/26/2006	15.6		0.2	I	blue green algae present in water column and on water surface as light concentration streaks
	8/8/2006	10.8		<0.1	U	blue green algae present in water column in light concentration
	8/22/2006	10		0.3	I	blue green algae present in water column in light concentration and on surface as streaks
	9/5/2006	2.9	I	<0.1	U	

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CES03 (downstream of S79)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	no signs of blue green algae in sample or surface water
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		10		blue green algae present in water column and as light streaks on water surface
	7/26/2006	12.6		1.4		blue green algae present in water column in light concentration
	8/8/2006	2.9	I	<0.1	U	no blue green algae present
	8/22/2006	3.7	I	<0.1	U	blue green algae present in water column in light concentration
	9/5/2006	1.7	I	<0.1	U	
CES04 (Beautiful Island)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	no signs of blue green algae in sample or surface water
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	6/21/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		1		blue green algae present in water column as light streaks
	7/26/2006	3.3	I	0.6	I	blue green algae present in water column in light concentration
	8/8/2006	3.1	I	<0.1	U	no blue green algae present
	8/22/2006	13.4		<0.1	U	blue green algae present in water column in light concentration
	9/5/2006	1.9	I	<0.1	U	
CES05 (Ft. Myers)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	no signs of blue green algae in sample or surface water
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	6/21/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		<0.1	U	no blue green algae present
	7/26/2006	3.5	I	1.0		blue green algae present in water column in light concentration
	8/8/2006	4.8		<0.1	U	no blue green algae present
	8/22/2006	3.7	I	<0.1	U	blue green algae present in water column in light concentration
	9/5/2006	1.7	I	<0.1	U	

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CES07 (Iona Cove)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	no signs of blue green algae in sample or surface water
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	6/21/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		<0.1	U	no blue green algae present
	7/26/2006	3.3	I	<0.1		no blue green algae present
	8/8/2006	4		<0.1	U	no blue green algae present
	8/22/2006	8.7		<0.1	U	no blue green algae present
	9/5/2006	1.7	I	<0.1	U	
CES09 (Kitchel Key in San Carlos Bay, Green Marker 13)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	-
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	6/21/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		<0.1	U	no blue green algae present
	7/26/2006	2.2	I	<0.1	U	no blue green algae present
	8/8/2006	3.1	I	<0.1	U	no blue green algae present
	8/22/2006	1.4	I	<0.1	U	no blue green algae present
	9/5/2006	3.7	I	<0.1	U	
CES11 (San Carlos Bay, Green Marker 5)	1/3/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/1/2006	-		<0.1	U	no blue green algae visible in sample or surface water
	3/6/2006	-		<0.1	U	no visible blue green algae in sample or surface water
	4/17/2006	-		<0.1	U	no visible blue green algae
	5/8/2006	-		<0.1	U	no blue green algae present
	5/22/2006	-		<0.1	U	no blue green algae present
	6/5/2006	-		<0.1	U	no blue green algae present
	6/21/2006	-		<0.1	U	no blue green algae present
	7/5/2006	-		<0.1	U	no blue green algae present
	7/26/2006	6.1		<0.1	U	no blue green algae present
	8/8/2006	7.3		<0.1	U	no blue green algae present
	8/22/2006	1.3	I	<0.1	U	no blue green algae present
	9/5/2006	3.7	I	<0.1	U	

Flagged data is due to accuracy and precision issues. The flags indicate quality control parameters which fell outside what is normally accepted for this analyte. Appropriate caution should be used in interpreting the data. Data table lists only sites sampled.

### Flag:

J = failed quality control criteria for accuracy or precision

Q = time between collection and analysis exceeded criteria

I = result is between the laboratory minimum detection limit and the laboratory practical quantitation limit

U = result is undetected at the minimum detection limit